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1	Claims
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3	1. An underwater pool light comprising:
4	a housing;
5	a lens sealingly fixed to the housing;
6	a light source located within the housing;
7	mounting means for mounting the housing to a
8	niche within or on a wall of a pool, wherein:
9	the housing includes an integral connector for
10	external connection to an electrical supply cable,
11	and
12	the pool light includes electrical connection
13	means within the housing connecting the light source
14	to the integral connector.
15	
16	2. An underwater pool light as claimed in Claim 1,
17	wherein the connector is wet mateable.
18	
19	3. An underwater pool light as claimed in Claim 1
20	or 2, wherein the connector includes a cable
21	receiving recess, and wherein the recess has a keyed
22	portion which is complementary to a keyed portion
23	provided at the cable.
24	
25	4. An underwater pool light as claimed in any
26	preceding claim, wherein the connector comprises one
27	or more pins projecting externally from the housing
28	and adapted to engage with one or more corresponding
2,9	sockets on the cable.
30	
31	5. An underwater pool light as claimed in Claim 4,

32 wherein the connector further comprises one or more

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1 sleeves projecting externally from the housing and 2 at least partially surrounding the one or more pins. 3 An underwater pool light as claimed in Claim 5, 4 6. wherein the or each sleeve is made of plastic or 5 6 rubber. 7 An underwater pool light as claimed in any 8 preceding claim, wherein the mounting means 9 comprises a component of the housing adapted to 10 slideably engage with a component of the niche, such 11 12 that the distance between the housing and the niche is selectively adjustable. 13 14 An underwater pool light as claimed in Claim 7, 15 8. further including clamping means for clamping the 16 component of the housing relative to the component 17 18 of the niche. 19 An underwater pool light as claimed in Claim 8, 20 9. wherein the clamping means comprises at least one 21 22 screw fastener. 23 An underwater pool light as claimed in any of 24 25 Claims 7 to 9, wherein the mounting means is adapted such that the distance between the housing and the 26 niche is infinitely adjustable over the adjustment 27 28 length. 29 An underwater pool light as claimed in any of 30 31 Claims 7 to 10, wherein the component of the housing

comprises one or more protrusions provided at the

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1 housing and the component of the niche comprises one or more slots provided at the niche. 2 3 4 An underwater pool light as claimed in any of 5 Claims 7 to 11, including a lens, and wherein the 6 component of the housing is provided at a lens 7 holding member. 8 9 13. An underwater pool light as claimed in Claim 10 12, wherein the housing includes one or more cam receiving slots, and wherein the lens includes one 11 12 or more cammed members for pivotally locating the 13 lens relative to the lens holding member. 14 15 14. An underwater pool light as claimed in Claim 12 16 or 13, wherein the lens includes fastener locating 17 means and a fastener for fastening the lens to the lens holding member. 18 19 20 15. An underwater pool light as claimed in Claim 21 14, wherein the fastener locating means comprises a 22 hollow coned protrusion for aligning the lens to a 23 fastener receiving aperture provided at the lens 24 holding member. 25 26 An underwater pool light as claimed in any 27 preceding claim, wherein the housing includes a 28 collar projecting from a face of the housing.

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30 17. An underwater pool light as claimed in any

31 preceding claim, wherein the housing includes a lamp

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1 enclosure which is sealably connected to the lens by a plurality of fasteners. 2 3 An underwater pool light as claimed in Claim 4 5 14, wherein the housing includes a trim quard which 6 covers the fasteners to prevent unfastening of the 7 fasteners. 8 An underwater pool light as claimed in any 9 10 preceding claim, wherein the housing includes two or 11 more openings for allowing the flow of water into and out of the niche. 12 13 20. An underwater pool light as claimed in Claim 14 15 19, wherein the openings comprise a number of cutouts or castellations provided at the perimeter of 16 17 the lens. 18 19 21. An underwater pool light as claimed in any preceding claim, wherein the niche includes one or 20 21 more brackets for receiving one or more fastening 22 rods. 23 24 An underwater pool light as claimed in Claim 25 21, wherein the or each bracket is adapted to 26 receive one or more fastening rods of a plurality of 27 sizes. 28 29 An underwater pool light as claimed in Claim 21

or 22, wherein the or each bracket is adapted to receive fastening rods oriented vertically, 31

1	horizontally, or obliquely relative to the base of
2	the pool.
3	
4	24. An underwater pool light as claimed in any
5	preceding claim, wherein the lens has a first
6	portion adapted to direct light substantially normal
7	to the wall of the pool, and a second portion
8	adapted to direct light substantially parallel to
9	the wall of the pool, and wherein the pool light
10	further comprises:
11	a reflector located within the housing and
12	having a first portion which is substantially
13	parabolic in vertical cross section and a second
14	portion which is adapted to reflect light
15	substantially towards the second portion of the
16	lens.
17	
18	25. An underwater pool light as claimed in Claim
19	24, wherein the second portion of the lens is
20	provided at the internal surface of the lens.
21	
22	26. An underwater pool light as claimed in Claim 24
23	or 25, wherein the second portion of the lens
24	comprises a plurality of Fresnel members adapted to
25	direct light substantially parallel to the wall of
26	the pool.
27	
28	27. An underwater pool light as claimed in Claim
.2.9	26, wherein each Fresnel member is arcuate and
30	substantially concentric about the light source.

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- 28. An underwater pool light as claimed in any of Claims 24 to 27, wherein the reflector includes a
- 3 third portion which is adapted to reflect light
- 4 substantially towards the second portion of the

5 lens.

- 7 29. An underwater pool light as claimed in any of
- 8 Claims 24 to 28, further comprising a shading member
- 9 adapted to inhibit the radiation of light in at
- 10 least one direction.